ONKYO SERVICE MANUAL

SERIAL NO. 3154

AUTOMATIC RETURN TURNTABLE
Model CP-1022A

UDN, UDC, UD	120V AC, 60Hz
UGV, UG	220V AC, 50Hz
UW	120 or 220V AC, 50/60Hz
UQA, UQB	240V AC, 50Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PARTS NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

SPECIFICATIONS

Type:	2-speed automatic-return turntable with cueing lever
Turntable Platter:	31 cm (12-1/4″) Aluminum diecast
Motor:	4 pole synchronous
Speeds:	33-1/3 rpm, 45 rpm
Wow & Flutter:	0.045% WRMS
Signal-to-Noise Ratio:	70 dB (IEC-Y, DIN-B)
Tonearm:	Static balanced straight-type pipe arm
Effective Arm Length:	210 mm (8-5/16″)
Overhang:	13 mm (1/2″)
Maximum Tracking Error:	+4.5 degrees, −1 degree
Usable Cartridge Weight:	Min. 5.0 g, Max. 9.0 g
Power Supply:	AC 120V, 60 Hz
Dimensions (W x H x D):	418mm x 132mm x 374mm 16-1/2″ x 5-1/6″ x 14-6/8″
Weight:	4.1 kg (9 lbs.)

Optional Recommended Headshell: SH-21F

In the interest of further product improvements, specifications are subject to change without notice.

ONKYO AUDIO COMPONENTS

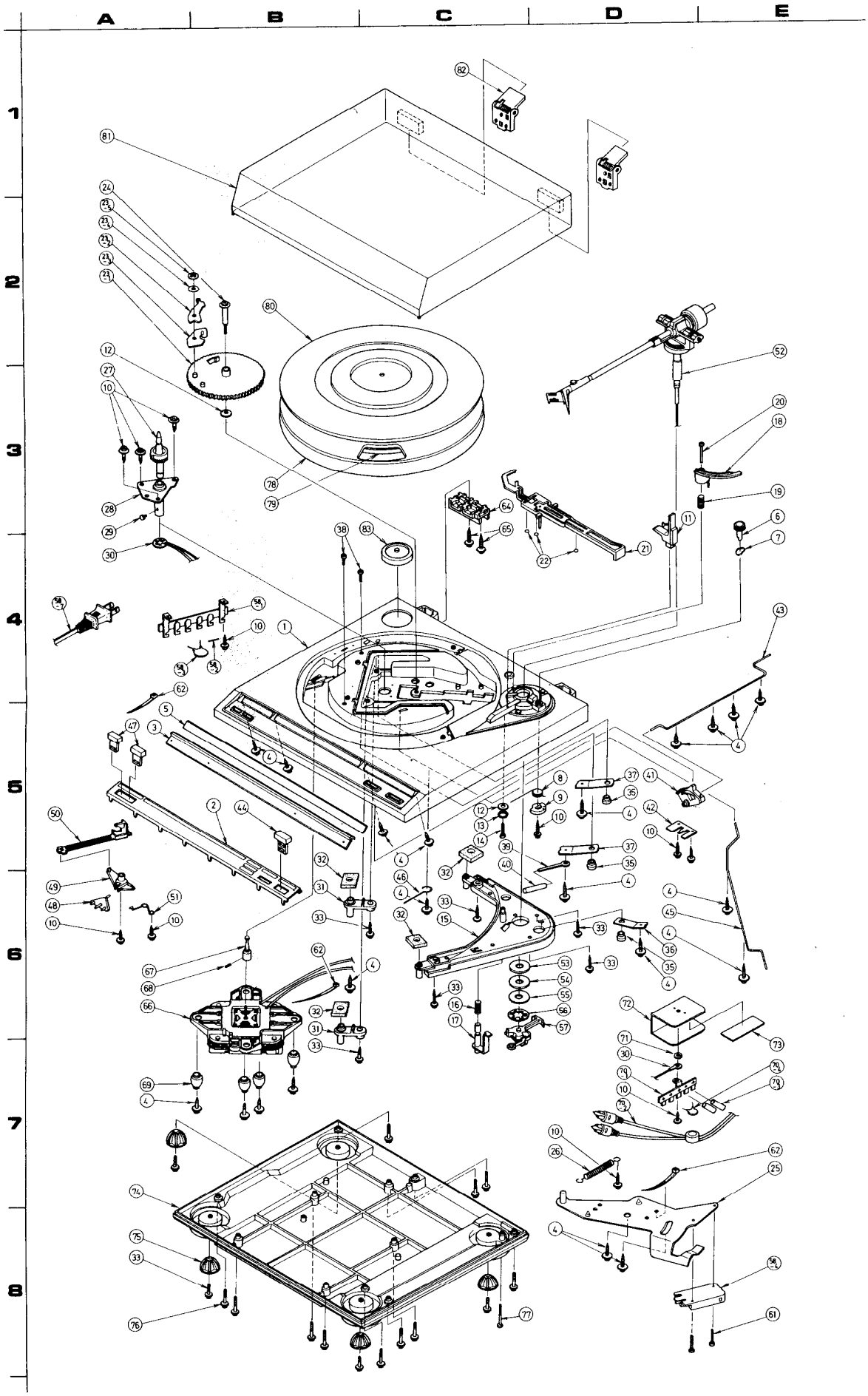
PARTS LIST

PLACE	REF. NO.	PARTS NO.	DESCRIPTION
B4	1	24509290	Cabinet board
		24509290-1	Cabinet board (B)
B5	2	24509291	Operation plate
		24509291-1	Operation plate (B)
A5	3	24509292	Cover
		24509292-1	Cover (B)
	4	801295	3STW+8B, Tapping screw
A5	5	24509293	Plate
E3	6	24504399	IFC knob ass'y
E4	7	24506243	Wave washer
D5	8	24503131	IFC spring
D5	9	24504271	IFC cam
	10	831430088	3TTW+8B (BC), Tapping screw
D3	11	24509294	Tonearm rest
C5	12	87613008	W3x8FN, Flat washer
C5	13	871430	SW-3, Spring washer
C5	14	834430208	3TTS+20 (BC), Tapping screw
C6	15	24509295	Sub-base
C6	16	24503011-1	Spring, button
C6	17	24506660	Elevation shaft
E3	18	24504321	Elevation plate
E3	19	24503070	Spring
E3	20	82143012	3P+12FN (BC), Pan head screw
D4	21	24506661	Actuating arm
D4	22	270555	4mm, Steelball
A2	23	24506662	Return gear ass'y
	23-1	24503032	Return gear
	23-2	24506663	Clutch plate
	23-3	24506664	Clutch guide
	23-4	87613008	W3x8FN, Flat washer
	23-5	891030	CS-3, CS ring
A1	24	24506537	Attachment screw
E7	25	24506220	Operation plate (D)
		24506665	Operation plate (G/W)
D7	26	24503109	Spring
A3	27	24502163	T.T shaft
A3	28	24502164	T.T bearing
A4	29	24502165	Stopper pin
A4, D7	30	24505153	Ground wire (D)
		24505151	Ground wire (G/U)
B6	31	24509296	Lock plate
B5, B6	32	24509297	Mounting stud
	33	831430100	3TTW+10P (BC), Tapping screw
D5, D6	35	24509298	Rubber cushion
D6	36	24503131	Spring, plate
D5	37	24503134	Spring, plate
B4	38	833130168	3TTB+16B, Tapping screw
C5	39		Terminal
C6	40	79027	Tube
D5	41	24504401	Cueing lever
		24504401-1	Cueing lever (B)
D5	42	24504402	Holder for 41
E4	43	24504403	Cueing rod
B5	44	24504404	Reject button
		24504404-1	Reject button (B)
D6	45	24503135	Reject spring
C6	46	24503136	Button spring
A5	47	24504405	Speed button
		24504405-1	Speed button (B)
A6	48	24504316	Change arm
A6	49	24504406	Change cam
A5	50	24509299	Belt guide
A6	51	24503113	Spring
E2	52	24501470	Tonearm ass'y
		24501470-1	Tonearm ass'y (B)
		24501459	Attachment screw
		24501321A	Attachment screw (B)
		24501471	Weight ass'y
		24501456	Headshell
		24501354	Headshell (B)
		24501330	Cartridge attachment screw ass'y (D)
		24501138	2.6x11mm, Screw
		24501123	Nut
		24500079	Washer
		24500067	2.6x10mm, screw (G/U)
		24501123	Nut
		24500079	Washer
		242953	OC-61V, Cartridge
		242954	DN-61ST, Stylus
D6	53	24506546	FW10x22x0.6mm, Flat washer
D6	54	24509300	Rubber washer
D6	55	24509243-1	Rubber washer
D6	56	891100	CS-10, CS ring
D6	57	24509301	Arm base ass'y
⚠	58	24504396	Switch ass'y (D)
		24504397	Switch ass'y (G)
		24504398	Switch ass'y (U)
B4	58-1	24506371	Terminal
B4	58-2		Lead wire
⚠ B4	58-3	3500065A	0.01μF, AC400V/125V Capacitor IS
⚠ E8	58-4	24503023	Microswitch
⚠	58-5	25065138	Voltage selector switch (U)
	58-6		Tube (U)
⚠ A4	58-7	253099A or 24505076	Power supply cable (D)
		253083 or 24505068	Power supply cable (G/U)
	59	24505064	Insulator sheet (G/U)
	60	24509305	Tube (G/U)
E8	61	82142614	2.6P+14FN (BC), Pan head screw (D)
		82142618	2.6P+16FN (BC), Pan head screw (G/U)
A4, B6	62		Binder
C3	64	24506517	Holder
C4	65	834430168	3TTS+16B (BC), Tapping screw
⚠ A6	66	24502160	1M-S275-8BUCF-11, Motor ass'y (D)
		24502161	1M-S275-8BUCF-11, Motor ass'y (G)
		24502162	1M-S275-8BUCF-11, Motor ass'y (U)
A6	67	24502024	Motor pulley, 60Hz (D)
		24502023	Motor pulley, 50Hz (G/U)
A6	68		2.6x2mm, screw
A7	69	24509302	Motor cushion
	70	24505066	Terminal ass'y
D7	70-1	24506151	Terminal
D7	70-2	24500486	Output cable
E7	70-3	24505012	3x14, Tube
E7	70-4	335124724	0.0047μF, 50V, Ceramic capacitor
D7	71	87313008	TOW-3, Toothed washer
D6	72	24506208A	Shielded plate
E7	73	261021	Tape UL
A7	74	27170161	Bottom board
A8	75	27275043	Leg
A8	76	834430168	3TTS+16B (BC), Tapping screw
C8	77	834430268	3TTS+26B (BC), Tapping screw
B3	78	24502158	Turntable platter
B3	79	242129B	Belt
B2	80	24509111-1A	T.T sheet
A1	81	24509279	Dust cover ass'y
C1	82	28180078	Hinge
		28180079	Hinge (B)
C4	83	292049A	45 rpm adaptor

Note: (D) : Only 120V model
(G) : Only 220/240V model
(U) : Only Universal model
(B) : Only black model

NOTE: THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR LISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PARTS NUMBER SPECIFIED.

EXPLODED VIEW



SERVICE PROCEDURES

Instruction resistance measurement

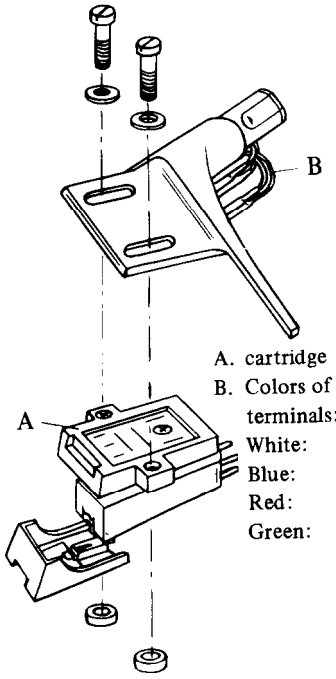
Connect the insulating-resistance tester between the plug of power supply cord and chassis.

Specifications: G/W models 500 V more than 10 MΩ

Attaching the cartridge

Please use the included headshell when attaching the cartridge. The headshell is designed for almost all cartridges on the market today; be careful not to buy a cartridge that is not compatible. In general, cartirdges with a mass of 5 – 9 grams should be employed.

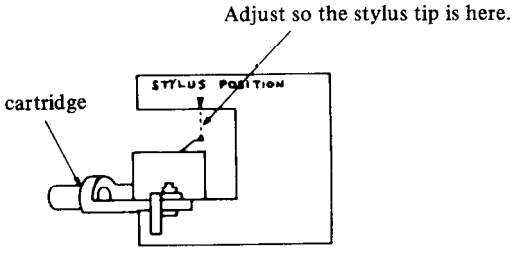
Attach the cartridge as shown below, connecting each of the color coded lead wires to the proper terminal. If a mistake is made, no sound will be heard or stereo reproduction will be lost. Also, to prevent damage to the stylus during installation operations, leave its cover on or remove the stylus completely.



A. cartridge
B. Colors of the headshell lead wires and cartridge terminals:

White:	left channel signal (L)
Blue:	left channel ground (LE or LG)
Red:	right channel signal (R)
Green:	right channel ground (RE or RG)

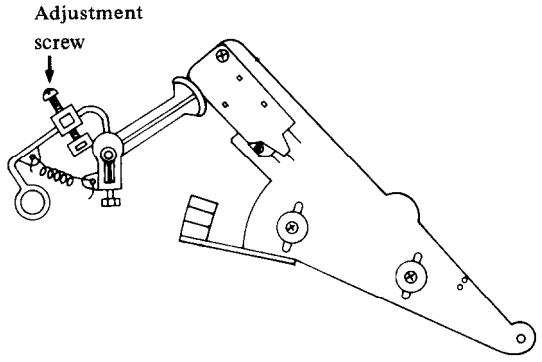
Use the included overhand gauge as shown below, placing the cartridge in the gauge and setting the location of the stylus tip as indicated.



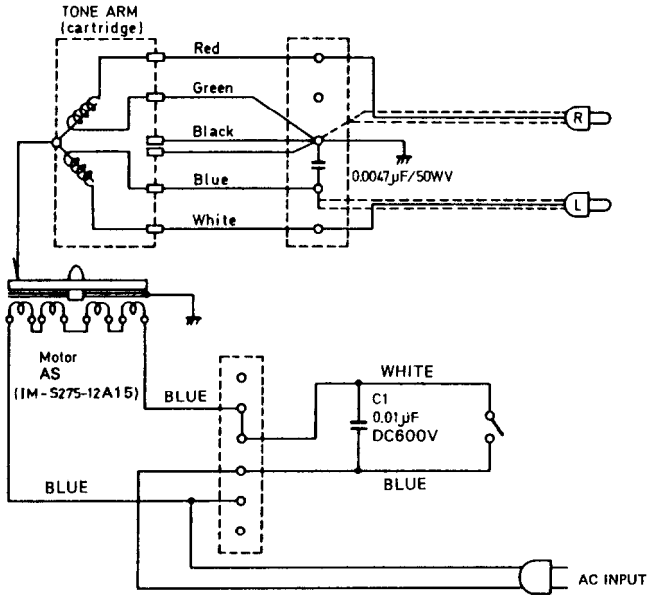
ADJUSTMENT PROCEDURES

Automatic shut-off position adjustment

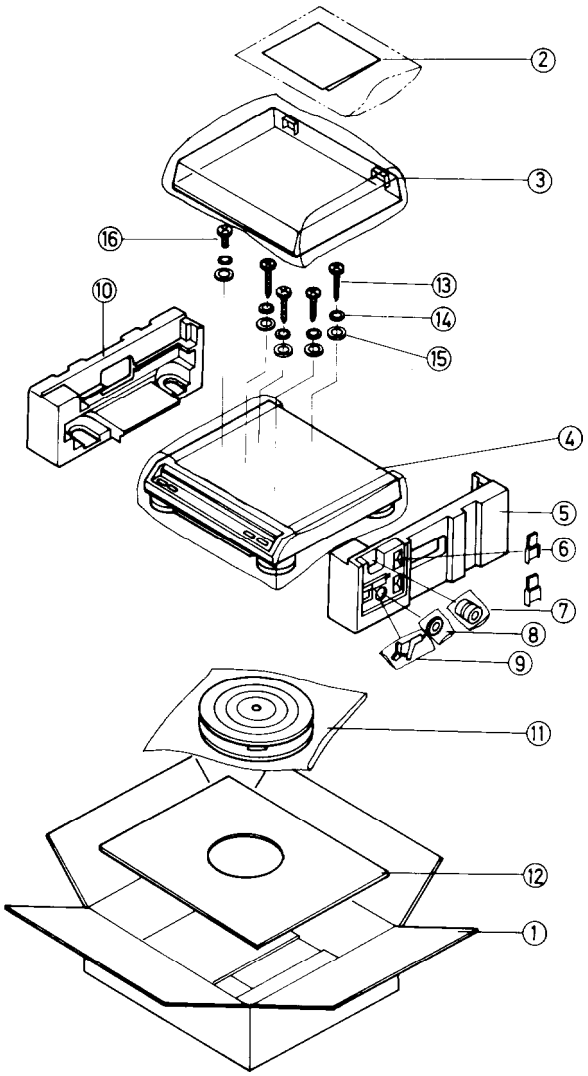
Adjust the shut-off position with the fine adjustment screw. After the adjustment, apply lock-tite to the screw. To adjust the shut-off position for earlier, turn the screw coutner-clockwise. To adjust the shut-off position for later, turn the screw clockwise.



CONNECTION DIAGRAM



PACKING VIEW



REF. NO.	PARTS NO.	DESCRIPTION
1	29050757	Master carton box
	29050757-1	Master carton box (Black model)
2	Accessary bag complete	
	120V model	
	29340687	Instruction manual
	24509197	Overhang gauge
	2365006-5	Warranty card (Only USA model)
	29358002	Service station list (Only USA model)
	29100005	220x330mm, Poly-vinyl bag
	220V model	
	29340688	Instruction manual
	24509197	Overhang gauge
	29365005-3A	Warranty card (Only West Germany model)
	29358004	Service station list (Only West Germany model)
	29100005	220x330mm, Poly-vinyl bag
	Universal model	
	29340688	Instruction manual
	24509197	Overhand gauge
	24502024	Pulley, 60Hz
	25055040	Conversion plug
	29100005	220x330mm, Poly-vinyl bag
3	24509297	Dust cover
	29100050	Protection sheet
4	29095012-1	500x800mm, Protection sheet
5	29090822R	Pad R
6	28180078	Hinge
7	24501471	Counter weight
8	292049A	45 rpm adaptor
9	24501330	Cartridge attachment screw ass'y (Only 120V model)
	24501456	Headshell (Only 120V model) Cartridge ass'y (Other models)
	29100002	70x120mm, Poly-vinyl bag for 7, 8 and 9
10	29090822L	Pad L
11	24502158	Turntable platter
	242129B	T.T mat
	29100049	350x500mm, Poly-vinyl bag
12	29095297	Pad sheet
13	24509306	4x30mm, Tapping screw
14	87714012	4.2x12x0.8mm, Washer
15	24500464	Caution card
16	24509303	Motor lock screw
	29095298	60x70mm, Poly-vinyl sheet for arm rest

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